

IN THE CLAIMS:

The status of all the claims is noted below.

1. (Currently Amended) An imaging apparatus comprising:

an imaging section ~~imaging means~~ for generating image data based on image the imaging light from an object;

a memory ~~means~~ for storing the image data;

a plurality of signal processing sections ~~means~~ for performing different predetermined ~~pre-set~~ signal processing on the image data;

a display [display means] for displaying an image corresponding to said image data;

a storage section that uses a recording medium for recording the image data thereon; and

~~control means for performing control in a first operational mode for processing the image data from said imaging means in a pre-set fashion by the signal processing means of said plural signal processing means required to perform real time processing to write the image data in said memory means and for reading out the processed image data from said memory means to supply the read out image data to said display means, said control means performing control in a second operational mode for writing the image data from said imaging means in said memory means and subsequently reading out the written image data to route the read out image data to said plural signal processing means to record the image data processed by said plural signal processing means on said recording medium.~~

a controller for performing control in a first and second operation modes, wherein

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in the first operation mode, (1) decimating the image data generated by the imaging section, (2) processing decimated image data in real-time signal processing sections, (3) storing the decimated and processed image data in the memory, (4) reading-out and displaying the image data stored in the memory, and (5) the real-time signal processing sections being included in the plurality of signal processing sections and performing real-time signal processing; and

in the second mode, (a) storing the image data generated by the imaging section in the memory, (b) reading-out the image data stored in the memory, (c) providing read-out image data to the signal processing sections for signal processing, and (d) storing processed image data in the recording medium, (e) the image data stored in the memory being not decimated.

2. (Currently Amended) The imaging apparatus according to claim 1 wherein one of the plural signal processing sections comprises means is resolution conversion means for converting the resolution of the image data;

said controller control means performing control in said second operation operational mode for reading out the image data from said memory means to send the read-out image data to said resolution conversion means and for recording the image data converted in resolution in said resolution conversion means on said recording medium.

3. (Currently Amended) The imaging apparatus according to claim 1 wherein one of the plural signal processing sections comprises means is compression means for compressing the image data;

said controller control means performing control in said second operation operational mode for reading out the image data from said memory means to route the read-out

image data to said compression means and for recording the image data compressed by said
compression means on said recording medium.

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(Cancelled)

(New) The imaging apparatus according to claim 1, wherein a resolution
of the decimated and processed image data is down-converted before the image data is stored in
the memory.

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(New) The imaging apparatus according to claim ~~5~~, wherein a resolution

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of the image data stored in the memory is up-converted before the image data is displayed in the
display.